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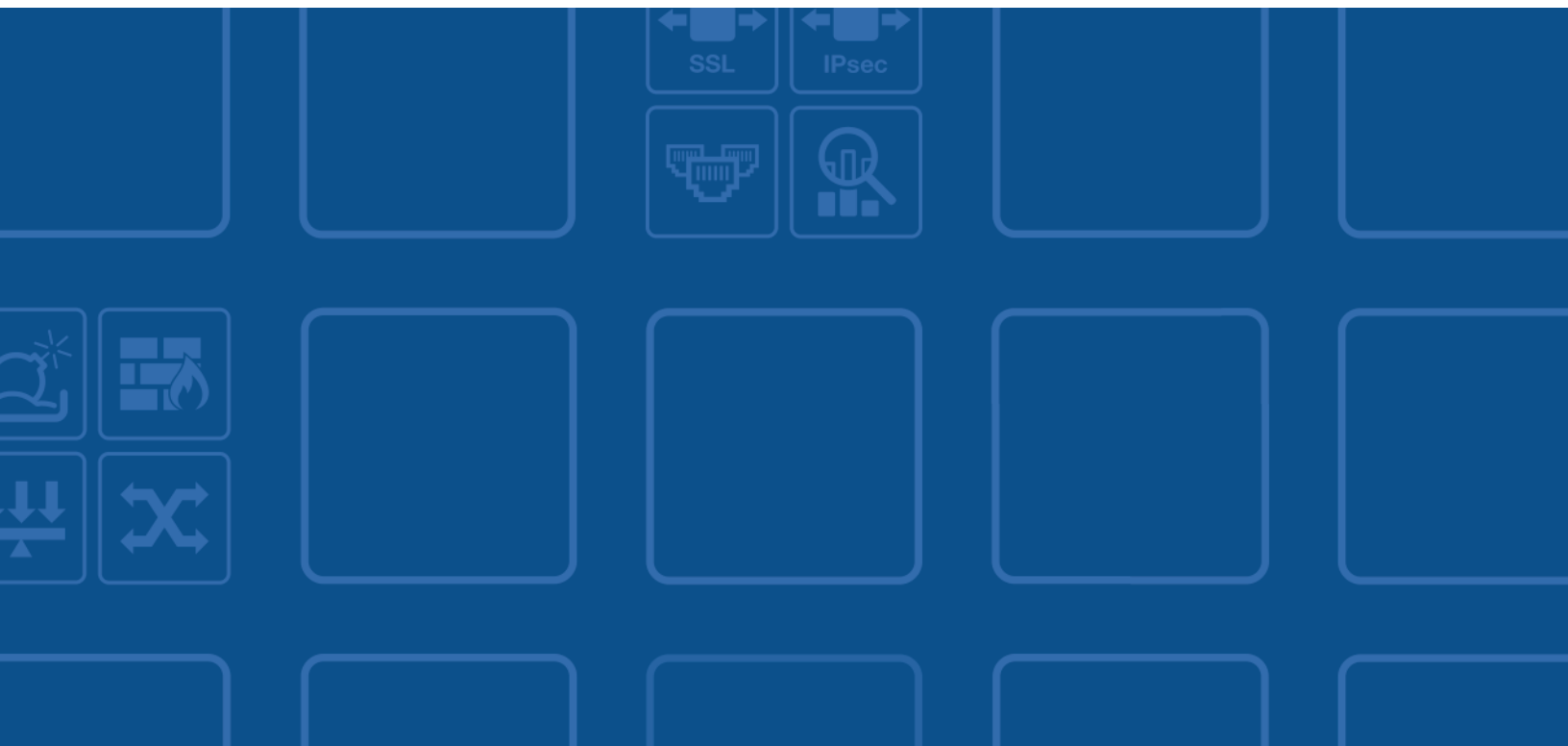
High Performance Network Security

FortiClient EMS Chromebook - Release Notes

VERSION 1.0.2



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FortiClient EMS Chromebook 1.0.2 Release Notes

04-102-384216-20160831

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Change Log

Date	Change Description
2016-08-31	Initial release.

Introduction

FortiClient Enterprise Management Server for Chromebooks (FortiClient EMS Chromebook) is used to centrally manage FortiClient for Chromebooks. FortiClient can be deployed to Chrome devices and EMS can be used to import users from Google domain and centrally provision FortiClient configuration.

FortiClient offers a web filtering feature based on FortiGuard categories. EMS Administrators can allow, warn or block web categories and define exceptions as needed. Administrators can also use FortiClient EMS to enforce safe-search on Chrome browser.

Like standard FortiClient EMS, EMS for Chromebooks runs on a Microsoft Windows server 2008 R2 and above. It officially supports all Chromebook devices.

This document provides the following information for FortiClient EMS Chromebook 1.0.2 build 0093:

For more information about FortiClient EMS, see the *FortiClient EMS Administration Guide*.

Supported platforms

The FortiClient EMS Chromebook server can be installed on any of the following platforms:

- Microsoft Windows Server 2008 R2 or newer

System Requirements

The minimum system requirement is as follows.

- 2.0 GHz 64-bit processor, dual core (or two virtual CPUs)
- 8 GB RAM
- 20 GB free hard disk
- Gigabit (10/100/1000baseT) Ethernet adapter
- Internet access

Internet access is required during installation. This becomes optional once installation is completed.

Chromebook Requirements

The following FortiClient platforms are supported for Google Domain users managed by EMS Chromebook:

- Google Chromebook
- Google Chrome browser

Licensing and installation

For information on licensing and installing FortiClient EMS Chromebook, see the *FortiClient EMS Chromebook Administration Guide*.

Special Notices

Cooperative Security Fabric Upgrade

FortiOS 5.4.1 greatly increases the interoperability between other Fortinet products. This includes:

- FortiClient 5.4.1
- FortiClient EMS 1.0.1
- FortiAP 5.4.1
- FortiSwitch 3.4.2

The upgrade of the firmware for each product must be completed in a precise order so the network connectivity is maintained without the need of manual steps. Customers must read the following two documents prior to upgrading any product in their network:

- *Cooperative Security Fabric - Upgrade Guide*
  This document is available on the Fortinet Document Library on the FortiOS page.
- *FortiOS 5.4.0 to 5.4.1 Upgrade Guide for Managed FortiSwitch Devices*
  This document is available in the Customer Support Firmware Images download directory for FortiSwitch 3.4.2.

Main features

The core features of the FortiClient EMS Chromebook 1.0.2 include the following:

Google Domain Management

FortiClient EMS for Chromebooks is integrated with Google Domain. The administrator may manage users in EMS by importing them from Google Domain. The full domain or any organizational unit (sub-OU) can be imported. FortiClient profiles may be assigned to, or unassigned from, the OU. If no longer required, Google Domain may be deleted from EMS.

If there are changes in Google Domain records, EMS will automatically update the imported data, adjusting the OU as appropriate.

FortiClient web filtering feature

The EMS administrator will configure the Chromebook via the Google Domain Admin Console. When any of the users in the domain login into their Chromebook with their Google Domain account, FortiClient will be installed on their Chromebook.

FortiClient provides web filtering on each Chromebook. Following installation, it will retrieve a profile from the EMS. The profile is appropriate to the logged-in user. It is applied to each web page request from the Chromebook. If the user attempts to access a prohibited or blocked page, access will be denied, and a replacement message will be displayed in the web browser.

FortiClient EMS - Chromebook Profile Management

FortiClient EMS provides web filtering profiles. Each profile defines the FortiGuard categories to be blocked, allowed or monitored on the Chromebook. EMS administrator may create, modify, assign, unassign or delete profiles. FortiClient on the Chromebook will download the profile assigned based on the logged-in user.

Web Filtering profile may include exclusion lists, which consists of blacklists and whitelists. Safe search is also provided for the main search engines – Google, Yahoo!, and Bing safe search for text.

EMS administrator may also configure to upload logs to FortiAnalyzer. When configured, Chromebooks will send logs to the configured FortiAnalyzer.

FortiClient EMS - Chromebook Dashboard

FortiClient EMS - Chromebook dashboard can display the real-time status of Chromebooks, including how many users are managed or unmanaged, and how many users are in active or inactive state. It can also display the Web Filter Violation summary and users with a Web Filter Violation summary. It also allows the EMS admin to drill down to the detailed information view for the Web Filter violation or users with violations from the selected pie chart.

The EMS admin can also import and upgrade the EMS license from the dashboard.

FortiClient EMS - Chromebook User Management

Default admin or configured super-administrator of the FortiClient EMS - Chromebook Server can manage Chromebook users. Default admin or configured super-administrator is allowed to configure the default EMS admin user's password. They can also add or remove the EMS administrator, and configure various EMS server permissions for them.

Detail Information View for Google Domain Users

FortiClient EMS - Chromebook Server provides a detailed information view for each managed Chromebook user. It reports the Google User's profile name, displays the client statistics for blocked site distribution and all sites distribution. The detailed Client view also provides the list of all blocked site logs for the selected Chromebook user.

Log Upload to FortiAnalyzer

If the EMS administrator configures to upload logs to FortiAnalyzer, Chromebooks will send all FortiClient logs to the configured FortiAnalyzer. If the FortiAnalyzer is not accessible, FortiClient will keep the log in the local storage until FortiAnalyzer becomes accessible. Then, it will start to send the old logs and new logs to FortiAnalyzer.

Upgrade

Upgrading from previous FortiClient EMS Chromebook versions

As this is the first release of EMS for Chromebooks, there is no previous version to upgrade from.

Upgrading from previous FortiClient EMS versions

Upgrading from previous standard FortiClient EMS version (1.0.0/1.0.1) to FortiClient EMS - Chromebooks 1.0.2 is not supported.

Known Issues

The following issues have been identified in version 1.0.2. For inquires about a particular bug or to report a bug,please contact Customer Service & Support.

Bug ID	Description
383704	The ChromeBook EMS online installer should not download the full ChromeBook image on the Regular EMS server.
383447	User Management user list does not update after the system user was renamed.
382402	After reconnecting to EMS, an inactive user cannot immediately become an active user on pie charts.
382390	Device hostname or IP address are not displayed in the Google User Detail page.
381995	Client side will not receive the *User Inactivity Timeout* from EMS.
381986	Decouple domain access and applied policies for the OU in the domain.
381976	No available domain list for User Management before adding new domain.
381967	EMS User Management should not allow user to delete current login user.
381747	Destination IP is not available in the FortiAnalyzer log from the extension side.
380716	Should support the ability to reload individual Google Domains.
380015	Should allow importing a domain with a user using the subdomain as the email address.
378993	Can not import multiple sub organization units.
378777	Reset admin password
378503	If there are multiple URLs in a webpage with a warning rating, warning pages keep being displayed.
378182	Issues about user with the Create/Delete Filter permission assigned.
370252	*Safe Search* does not work for *Bing* image and videos.
386144	The flag Automatic Updates in the Global Settings page is not used in EMS
385705	Slow performance when a large Google Domain is being used.

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